

MORPHOMETRIC CHARACTERISTICS IN DISCRETE DOMAIN FOR BRAIN TUMOR RECOGNITION

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Abstract

World Health Organization (WHO) classifies brain tumors by their level of aggressiveness into four grades depending on their aggressiveness or malignancy as I to IV respectively [1]. From this classification of primary brain tumors, the four categories can be considered in two groups: Low Grade (LG) and High Grade (HG), in which the LG group is composed of grade I and II brain tumors, while the HG group is composed of grades III and IV brain tumors [2]. This paper focuses on the morphometric analysis of brain tumors and the study of the correlation of tumor shape with its degree of malignancy.

Keywords

Brain tumor, Degree of malignancy, Morphometric characteristics, Recognition